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THE

Thurrock Urban District Council

ANNUAL REPORT

OF THE

Medical Officer of Health

INCLUDING THE REPORT OF THE

Chief Sanitary Inspector

For the Year 1943

GRAYS.
JOHN HIGGINS, PRINTING CONTRACTOR
1944

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URBAN DISTRICT OF THURROCK.

PUBLIC HEALTH OFFICERS OF THE AUTHORITY.

Medical Officer of Health and Medical Superintendent, Thurrock Isolation Hospital:
W. T. G. Boul, M.D., Ch.B., D.P.H.

Deputy Medical Officer of Health:
J. T. Brown, M.B., Ch.B., D.P.H.

Assistant Medical Officers of Health:

F. G. Richards, M.R.C.S., L.R.C.P., D.R.C.O.G.
(Resigned 28th February, 1943).

C. J. Clohessy, M.B., Ch.B., D.P.H., L.M.
(Resigned 22nd February, 1943).

M. Swain, M.B., Ch.B., D.R.C.O.G., D.P.H.
(Appointed 1st March, 1943).

A. D. Heller, M.D.
(Appointed 1st March, 1943).

Deputy Medical Superintendent, Isolation Hospital (part time):
J. D. Murray, M.D.
(Appointed 1st February, 1943).

Matron, Isolation Hospital: Miss E. D. Davis (1, 2, 3).

Health Visitors:

Miss E. Darrall (1, 2, 3, 4)
,, J. Eve (1, 2, 3, 4)
(Appointed 7th September, 1943)
,, J. Gabrielsen (1, 2, 3, 4)
,, I. Gibson
,, W. J. Luxmoore (1, 2, 3)
(Seconded to Ministry of Health 8th December, 1942)

Miss M. E. Hyman (1, 2, 3, 4)
(Appointed 3rd August, 1943)
,, C. Lancefield (1,2,3,4)
,, E. Marshall (1, 2, 3, 4)
,, E. C. Miller (1, 2, 3, 4)
,, A. Polley (1, 2, 3)
Mrs. C. Tucker, (1, 2, 3, 4)
(Resigned 13th February, 1943)

1. General Trained;
2. Certified Midwife;
3. State Registered;
4. New Health Visitors' Certficate

Orthopædic Masseuse:
Miss M. E. Wells, C.S.M.M.G. & M.E.

Matron, War-time Day Nurseries:

Nursery No. 1: Mrs. E. Brown, S.R.N.

" " *2:* " E. Jenkins, S R.N.
(Appointed 6th July, 1943)

" " *3:* " I. P. Mathews, S.R.N.
(Appointed 1st October, 1943)

Chief Sanitary Inspector: L. Culliss (1, 2, 3)

Officer under Rats and Mice Destruction Act, 1919. Inspector under Shops Acts.

Deputy Chief Sanitary Inspector:

H. A. Gosling (1, 2, 3)

Sanitary Inspectors:

R Bull (1, 2, 3) A. E. Netting (1, 2)

E. H. Wadhams (1, 2, 3), (*H.M. Forces*).

1. Indicates Certificate, Royal Sanitary Institute; 2. Certificate, Inspection of Meat and other Foods; 3. Certificate, Smoke Inspection.

Chief Clerk: R. C. Gilbert (*H.M. Forces*).

Deputy Chief Clerk: R. L. Brown (*H.M. Forces*).

Clerk, Isolation Hospital: C. M. Ansell.

Clerical Assistants:

Mrs. D. Sayers
Mrs. P. Benson
R. Thompson (*H.M. Forces*)
L. Dansie (*H.M. Forces*)
*Mrs. F. A. Jones
Mrs. H. Smith
*Miss I. Crooks
*Miss D. M. Dear
Mrs. G. Miles
(Civil Defence duties only)

*Temporary staff replacing members in H.M. Forces.

Mortuary Attendant: F. J. Cosby.

All the medical staff hold joint appointments as Assistant County Medical Officers to Essex County Council. The services of the Health Visitors are shared with Essex County Council as School Nurses.

THURROCK URBAN DISTRICT COUNCIL

PUBLIC HEALTH DEPARTMENT,
COUNCIL OFFICES,
GRAYS, ESSEX.

TO THE CHAIRMAN AND MEMBERS OF THE
THURROCK URBAN DISTRICT COUNCIL.

Ladies and Gentlemen,

I beg to present my Annual Report for the year 1943, and my nineteenth Annual Report for the district as a whole. It will be observed that, as in other wartime reports, many items of interest are omitted at the request of the Ministry of Health on grounds of national security.

Every effort has been made during the year to maintain the essential public services on as near a pre-war scale as possible. I think the Council may be satisfied that this has been done, and one or two extensions of services have been made during the period under review.

The continuation of the work of the Public Health Department has not been carried on without considerable difficulty, more of the staff of my department having left for service with H.M. Forces, and a considerable amount of time has had to be devoted to the Civil Defence Casualty Service. I am, however, very much indebted to the temporary staff who have replaced those members of the department at present absent, and wish to place on record my gratitude for the continued support of members of the Council and officials of other departments.

I am,

Your obedient servant,

W. T. G. BOUL, M.D., CH.B., D.P.H.
Medical Officer of Health.

STATISTICS AND SOCIAL CONDITIONS OF THE AREA.

Land Area (in acres)	40,601
Product of 1d. Rate	£1,780

A summary of the chief industries in the area was given on page 4 of my Report for 1938. With the progress of the war unemployment has decreased considerably.

EXTRACTS FROM VITAL STATISTICS.

	Thurrock	England & Wales
Birth Rate per 1000 estimated resident population ...	18.2	16.5
Death Rate per 1,000 estimated resident population ...	10.3	12.1
Death Rate of Infants under one year of age ...	41	49
Deaths from puerperal causes:—		
Puerperal and Post abort-sepsis	1	
Other maternal causes ...	1	
Deaths from Suicide ...	1	
,, ,, Road Traffic Accidents	6	
,, ,, other violent causes	21	

(*d*) CLINICS AND TREATMENT CENTRES.

Clinic.	Address.	Sessions.	Remarks.
Maternity and Child Welfare	Aveley—National School ...	Alternate Fridays, 2 p.m.	Dried Milk, Foods, &c., sold at all sessions.
	Bulphan—Balgowrie Farm, Lower Dunton Road	2nd & 4th Tuesdays, 2 p.m.	
	Chadwell-St.-Mary—Welfare Centre, River View ...	Every Tuesday & Wednesday, 2 p.m.	
	Corringham-Rectory,Church Rd,	Every Wednesday, 2 p.m.	
	Grays—Welfare Centre,The Park	Every Tues., Wed. & Thurs., 2 p.m.	
	Horndon-Methodist Church Hall	1st & 3rd Fridays, 2 p.m.	
	Little Thurrock—Baptist Church Hall, Lodge Lane ...	Every Monday and Thursday, 2 p.m.	
	Linford—Community House, Bata Shoe Co. Ltd., E. Tilbury	Every Wednesday, 2 p.m.	
	Orsett—The Institute ...	1st & 3rd Tuesday afternoons	
	Purfleet—Welfare Centre, London Road	Alternate Tuesdays, 2 p.m.	
	Stanford—St. Margaret's Hall ...	Every Thursday, 2 p.m.	
	South Ockendon—Congregational Church Hall	Alternate Fridays, 2 p.m.	
	Tilbury—Welfare Centre ...	Every Tuesday & Thursday, 1.30 p.m.	
	West Thurrock-Wouldham Club Hall, London Road ...	Every alternate Thursday afternoon	

Ante-Natal	Grays— *See Welfare Centres above.*	Every Thursday, 9 a.m.	
	Little Thurrock—	Every Tuesday, 9.15 a.m.	
	Stanford—	Every Monday, 2 p.m.	
	Tilbury—	Every Wednesday, 1.45 p.m.	
	West Thurrock—	Alternate Wednesdays, 9 a.m.	
Post-Natal	Grays—Welfare Centre	Every Friday, 9 a.m.	
Ante-Natal and Post-Natal Exercises	Grays—Welfare Centre ...	Every Friday afternoon, 3.30	
Scabies Clinics	Thurrock I.D. Hospital, Stifford Long Lane, Grays ..	Monday to Friday, 2 p.m. Afternoons	
	Lansdowne Road School, Tilbury	Monday to Friday, 9 a.m. Mornings	
Women's Welfare (Birth Control)	Grays—*See Ante-Natal above* ...	3rd Friday afternoon, 4 p.m.	Patients seen by appointment only.
Orthopædic (*a*) Diagnosis	Grays— Glasson House, High Street	By Appointment (Til. 555)	Clinic held jointly by Essex County Council & Thurrock U.D.C.
(*b*) After-Care	Grays—*See above*	Every Friday 9.30-12 noon & 2-4.30, except 3rd Friday, 9.30-noon only 2nd & 4th Monday, 2-4.30	
Tuberculosis Dispensary	Grays—Glasson House, High Street	Every Monday 3 to 5, Tuesday 10 to 12, Every Thursday, 10 to 12 noon	Provided by Essex County Council.

CLINICS AND TREATMENT CENTRES—continued

Clinic.	Address.	Sessions.	Remarks.
School Clinics	Grays—Glasson House, High Street ... ... Tilbury—Welfare Centre ... Aveley—Council School ... Stanford—Council School ...	Minor Ailments, Daily 9 a.m., except Tues. Inspections, every Wed., 9.30 Minor Ailments—Tues. & Fri , 9 a.m. Inspections—Friday, 9 a.m. Minor Ailments—Friday, 9 a.m. Minor Ailments—Tues. & Fri. 9 a.m. Inspections—1st Thursday, 9 a.m.	Provided by Essex County Council. Closed during School holidays.
Eye Clinic	Grays—Glasson House, High Street	Every Monday, all day	Provided by Essex C.C. Closed during School holidays. Refractions by appointment only.
Dental Clinic	Grays—Glasson House Tilbury—Lansdowne Rd. School Stanford—Stanford Senior School	Tuesdays—all day Consultations—Thursdays 9.30-noon Mondays alternate Mondays alternate	Provided by Essex C.C. Closed during School holidays. All treatment by appointment only
Venereal Diseases	Gravesend—22 Cobham Street ...	Men—Tuesday, 11 a.m. to 1 p.m. —Thursday, 4 p.m. to 6 p.m. Women—Tuesday, 1 to 2.30 p.m. —Thursday, 2 to 4 p.m.	Provided by Kent County Council. Essex patients may attend free of charge.
Diphtheria Immunisation Clinic	Grays—Welfare Centre, The Park Tilbury—See Welfare Centre Stanford—See Welfare Centre	1st & 3rd Friday, 2 p.m. By appointment. 3rd Monday, 10 a.m.	Patients seen by appointment only.
Ultra Violet Light Clinic.	Grays—Welfare Centre, The Park	Every Monday, 2 p.m. Every Wednesday, 9.30 a.m. Every Friday, 9.30 a.m.	Patients seen by appointment only.

Since compilation of this report the times of some clinics have been altered temporarily.

Section B.

GENERAL PROVISION OF HEALTH SERVICES IN THE AREA.

1. (i) Public Health Officers of the Local Authority.

These are set out at the commencement of this Report.

(ii) (*a*) Laboratory Facilities.

No change has occurred in the facilities provided under this heading.

(ii) (*b*) Ambulance Facilities.

The re-organisation of this service, mentioned in my Report for the previous year, has continued. The Council maintains two ambulances and combines with the St. John's Ambulance Brigade (Grays Division), who also possess two ambulances, for the maintenance of this service.

The Council have now appointed five whole-time drivers, and during the year under review have arranged to purchase two new modern ambulances to replace older vehicles becoming unserviceable. The Civil Ambulance Service is now manned day and night (Telephone No. 'Tilbury 2.000'), and has proceeded satisfactorily during the period under review.

(ii) (*c*) Nursing in the Home.

There are within the district eight Nursing Associations serving South Ockendon, Aveley, Purfleet, West Thurrock, Grays, Stifford, Little Thurrock, Chadwell-St.-Mary, Tilbury, Stanford-le-Hope and Bulphan. In addition, the Grays Medical Comforts Committee continued its useful work during the year.

(ii) (*e*) Hospitals—Public and Voluntary.

The following hospitals exist in the Urban District:—

Seamen's Hospital, Tilbury (general and casualty).
Orsett Hospital (E.C.C. and casualty).
Thurrock I.D. Hospital (infectious diseases and casualty).

The normal peace-time accommodation has been reported upon annually up to 1938. For security reasons it is considered inadvisable to give any detailed facts regarding war-time bed accommodation, operating theatre facilities, special plant, etc., as the Ministry of Health and all other authorities concerned are in possession of full information.

Thurrock I.D., E.M.S. Hospital (Infectious Diseases only).

The following tables show the admissions and discharges during 1943.

	In Hospital Jan. 1st	Admitted	Discharged	Deaths	Remaining in Hospital
Scarlet Fever ...	18	170	164	2	22
Diphtheria	1	26	26	1	—
Pneumonia	10	28	32	3	3
Meningitis	1	35	27	8	1
Erysipelas	—	23	20	—	3
Impetigo	2	6	8	—	—
Streptococcal Infection...	1	67	63	3	2
Mumps	—	8	8	—	—
Typhoid	—	4	3	1	—
Measles	1	23	24	—	—
Malaria	—	3	2	—	1
Poliomyelitis ...	—	1	1	—	—
Chicken Pox ...	1	5	6	—	—
Scabies	—	6	6	—	—
Ophthalmia Neonatorum	—	1	1	—	—
Whooping Cough ...	—	4	4	—	—
Nephritis	—	1	1	—	—
Dysentery	—	10	8	—	2
Cervical Adenitis ...	—	2	2	—	—
Enteritis	—	16	10	5	1
Enteric Fever ...	—	1	1	—	—
Cerebro Spinal Fever ...	—	2	2	—	—
Croup	—	1	—	1	—
Conjunctivitis ...	—	3	3	—	—
Urticaria Rash ...	—	1	—	—	1
Diarrhœa	—	5	5	—	—
Quinsy	—	2	2	—	—
	35	454	429	24	36

THURROCK I.D. HOSPITAL.

AVERAGE NUMBER OF PATIENTS IN HOSPITAL IN 1943

January	39
February	37
March	41
April	27
May	22
June	23
July	33
August	28
September	35
October	38
November	39
December	38

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3. MATERNITY AND CHILD WELFARE.

(i) *Midwifery and Maternity Services.*

Employed by Thurrock U.D.C. ... 10 midwives
,, ,, Voluntary Nursing Associations 8 ,,

The following details relate to work performed by the Council's midwives :—

Confinements attended	556
Visits paid as midwives :—	
(*a*) ante-natal	2842
(*b*) post-natal	5720
Visits paid as maternity nurses :—	
(*a*) ante-natal	1089
(*b*) post-natal	3055

(ii) *Institutional provisions for Mothers and Children.*

The Council has agreements with the following hospitals for the reception of maternity patients:—

(*a*) suffering from complications occurring before, during or after confinement, and

(*b*) whose home conditions or other circumstances render hospital treatment necessary.

	ADMISSIONS
Rochford Hospital	1
Oldchurch Hospital, Romford	142
Danbury Park War Emergency Hospital ...	47
Rush Green Hospital, Romford (puerperal cases only)	—
St. John's Hospital, Chelmsford	46
Thurrock I.D. and E.M.S. Hospital	1
Queen Mary's Hospital, Stratford	2

(iii) *Health Visitors.*

These are enumerated in the list of officers at the front of this report.

VISITS PAID BY HEALTH VISITORS.

	First Visits	Total Visits
To expectant mothers	183	411
To children under 1 year	979	4452
To children aged 1-5 years	31	4089
Infant Life Protection visits... ...	149	
Miscellaneous visits	380	

WOMEN'S WELFARE CLINIC.

Sessions held ...	11
New patients ...	57
Total attendances...	122

POST NATAL CLINIC.

Sessions held ...	24
New Patients ...	98
Total attendances...	269

ULTRA VIOLET LIGHT CLINIC.

Opened November, 1943. Sessions held 23

Treatments—(*a*) Children ... 687 (*b*) Adults ... 43

Infant Welfare Centres.

Centre	Sessions held	First Attendances		Total Attendances	
		Under 1 year	1-5 years	Under 1 year	1-5 years
Aveley	25	53	1	538	133
Bulphan	22	2	—	75	92
Chadwell-St.-Mary	104	74	18	1891	1200
Corringham ...	51	46	3	1256	743
Grays	157	215	18	4206	1782
Horndon	23	3	—	114	133
Linford	52	32	9	802	550
Little Thurrock ..	95	120	10	2981	1695
Orsett	24	9	2	86	85
Purfleet	52	30	6	719	458
Stanford-le-Hope...	52	75	9	1369	677
South Ockendon ...	27	35	2	429	805
Tilbury	110	119	28	1176	557
West Thurrock	52	63	11	1060	545

Ante-natal Clinics.

Clinic	Sessions Held	Total Attendances	New Patients
Aveley	26	274	55
Grays	52	1389	208
Little Thurrock	51	1026	182
Stanford-le-Hope	51	789	111
Tilbury	51	661	144
West Thurrock	26	430	87

(*iv.*) Child Life Protection.

Foster Mothers on register at end of year	...	22
Infants on register at end of year...	...	26

(*v.*) Dental Treatment. Orthopaedic Treatment.

These facilities have been described fully in previous reports and no changes have occurred.

(*vi.*) War-time Nurseries.

During my Report for the year 1942, I mentioned that War-time Day Nursery No. 1, Palmer's Avenue, Grays, was formally opened on the 17th August, 1942. During the year 1943, Nursery No. 2, situated in London Road, West Thurrock, was opened on 19th July, 1943, and Nursery No. 3, situated in Whitehall Lane, Grays, was opened on the 11th October, 1943.

At the time of the compilation of the Report there are vacancies at all three nurseries.

The staff of each Nursery has been appoined on the Ministry of Health Scale, and the full accommodation is now as follows :—

Nursery No. 1	...	...	40
,, No. 2	...	...	50
,, No. 3	....	...	42

(*vii.*) Cleanliness.

Special reference is required in this Report on the steps taken by the Welfare Authorities to improve the general standard of cleanliness and to combat the infestation of head lice. During the year under review, special efforts have been made by the Health Visitors, both at Welfare Centres and in home visiting. The problem is not great and efforts are being continued to deal with unfavourable reports.

SANITARY CIRCUMSTANCES OF THE AREA.

Section C.

1. (*i.*) WATER.

The principal sources of supply have been enumerated in previous reports and no alteration in the same has occurred during the year. The Department has an arrangement with the South Essex Waterworks Company whereby the latter are notified immediately of the occurrence of any case of Typhoid Fever, in order that a sample of water may be taken from the household's supply.

(*ii.*) DRAINAGE AND SEWERAGE.

There was no important extension under this heading during 1943.

2. RIVERS AND STREAMS.

The principal stream in this area is the Mardyke, which rises above Bulphan and Orsett Fens and discharges into the Thames at Aveley. There are various small tidal streams near the Thames.

3. (*i.*) CLOSET ACCOMMODATION.

There are 562 cesspools and 683 pail closets and these are being converted as the opportunity arises.

(*ii.*) SANITARY INSPECTION OF THE AREA.

The following report has been furnished to me by the Chief Sanitary Inspector in accordance with Article 27 (18) of the Sanitary Officers (Outside London) Regulations, 1935.

	Visits paid
Dwelling houses	1969
Houses Recorded under Housing Regulations, 1925	Nil
Housing Act—Overcrowding	48
Infectious Diseases	536
Common Lodging Houses	2
Caravans	15
Factories (Mechanical)	44
Factories (Non-Mechanical)	Nil
Workplaces	3
Outworkers	Nil
Cowsheds, Dairies and Milkshops ...	215
Fried Fish Shops	10
Butchers' Shops	37

	Visits paid
Food Preparation Premises	31
Meat Inspection and Slaughterhouses ...	280
Food Inspections	316
Swimming Bath	5
Ice Cream Premises	Nil
Water Supplies	10
Stables, Pig Styes and Accumulations ...	50
Refuse Tips	2
Shops Acts, 1934	3
Samples (Food and Drugs)	592
Applications for Council Houses... ...	117
Rat Suppression	433
Dustbins	76
Schools	4
Water Sampling	23
Milk (Sampling)	583
Rinsings (do.)	56
River Pollution Prevention	6
Civil Defence	209
Miscellaneous	492

Smoke Abatement.

No formal action was taken during the year, but certain representations were made with a view to reducing cement dust emission.

Milk Production.

The number of milk producing farms in this district is 52.

The following improvements were effected at the various farms :—

New Dairies	1
Steam Sterilizers	1
Washing-up Rooms	1

Retail Dairies and Milkshops.

There are within the area 26 registered dairies as defined by the Milk and Dairies Order, 1926, and 70 registered persons who retail milk in the sealed receptacles in which it is received at the premises. In addition to the foregoing three outside firms carry on a vehicular trade within the district.

Milk Special Designations Order, 1936-43.

Number of dealers licensed to sell :—

(*a*) Accredited Milk	...	...	...	4
(*b*) Tuberculin Tested Milk		...	...	12
(*c*) T.T. Pasteurised ...		...	...	Nil
(*d*) Pasteurised	...	...	...	6

1. *Pasteurising Plants.*

There is one pasteurising plant in the district with a capacity of 500 gallons per hour.

2. *Samples (Pasteurised)*

Pasteurised Milk Bacteria per m.l.	Phosphatase Test Reaction under 2·3			Satisfactory
100	...	—	...	Yes
200	...	—	...	,,
600	...	—	...	,,
1,000	...	—	...	,,
1,800	...	—	...	,,
3,000	...	—	...	,,
3,100	...	—	...	,,
3,500	...	—	...	,,
4,000	...	—	...	,,
5,000	...	—	...	,,
16,000	...	—	...	,,
17,000	...	—	...	,,
32,000	...	—	...	,,
46,000	...	—	...	,,
54,000	...	—	...	,,
57,000	...	—	...	,,
66,000	...	—	...	,,
73,000	...	—	...	,,
91,000	...	—	...	,,
98,000	...	—	...	,,
103,000	...	—	...	No
106,000	...	—	...	,,
154,000	...	—	...	,,
188,000	...	—	...	,,
656,000	...	—	...	,,
Over 1,000,000 (6 samples)			....	,,

All the foregoing samples were satisfactory insofar as the phosphatase test was concerned but it will be seen that in the last nine cases the bacterial count was high, very high in some instances. In regard to the last six, a separate investigation was undertaken involving check laboratory pasteurisation and raw milk samples prior to pasteurisation. As a result, the conclusion

was reached that the factors responsible for these high counts were: (1) overworking of pasteurising plant conducive to multiplication of thermophiles, and (2), unsatisfactory condition of raw milk, with resultant larger proportion of thermoduric organisms. When Short-time High Temperature Pasteurisation is the practice these short-comings should, in the main, be overcome.

3. *Samples (Ungraded).*

Bacterial Count	Bacillus Coli.	No of Samples
0—50,000	Absent in 1·0 ml.	35
50,000—100,000	Absent in 1·0 ,,	2
100,000—200,000	Absent in 1·0 ,,	—
Over 200,000	Absent in 1·0 ,,	4*
0—50,000	Absent in ·1 ,,	7
50,000—100,000	Absent in ·1 ,,	1
100,000—200,000	Absent in ·1 ,,	—
Over 200,000	Absent in ·1 ,,	1*
0—50,000	Absent in 0·01 ,,	3
50,000—100,000	Absent in 0·01 ,,	1
100,000—200,000	Absent in 0·01 ,,	—
Over 200,000	Absent in 0·01 ,,	2*
0—50,000	Present in 0·01 ,,	2*
50,000—100,000	Present in 0·01 ,,	1*
100,000—200,000	Present in 0·01 ,,	1*
Over 200,000	Present in 0·01 ,,	4*
0—50,000	Present in 0·001 ,,	3*
50,000—100,000	Present in 0·001 ,,	2*
100,000—200,000	Present in 0·001 ,,	—*
Over 200,000	Present in 0·001 ,,	8*

Of the 77 samples taken 28* proved unsatisfactory.

Rinsings.

Article	Bacterial Count per ml.	Coliform
Bottles—1 pint	Over 1,000	—
	0 x	—
	3	—
	6	—
	5	—
	0 x	—
	2	—
	4	—
	0 x	—
	0 x	—
	8	—
	68	—
	1 x	—
	Over 1,000	—
	14	—

Article	Bacterial Count per ml.	Coliform
Other Utensils	Large Spreader	—
	1 x	—
	8	—
	3	—
	3	—
	6	—
	100	—
	0 x	—
	5	—
	Over 1,000	—
	,, 1,000	—
	240	—
	Over 1,000	—
	9	—
	7	—
	126	—
	150	—
	5	—
	0 x	—
	6	—
	Spreader	—
	Over 1,000	—
	100	—
	5	—
	4	—
	100	—
	0 x	—
	0 x	—
Total Number of Rinsings	43	

X Satisfactory 10

Of the foregoing 43 samples only 10 were satisfactory but it should be appreciated that rinsings samples are normally taken only when there is evidence that circumstances are not as they should be.

4. *Sterilized Milk.*

One sample was taken which gave a negative result from the point of view of bacteria and coliform count.

5. *National Milk Testing and Advisory Scheme.*

During April an approach was made by the Essex War Agricultural Committee as to whether or not the Council were prepared to participate in a scheme involving the taking by their

Inspectors of two samples of milk per month (morning and evening) from Producers whose milk is retailed within the area. The Council and Inspectors agreeing, the scheme came into operation in May. The milk so sampled is submitted to a Resazurin Test and categorised in accordance with results, category 'A' being a milk of good keeping quality, category 'B' of medium quality which should be improved upon, whilst category 'C' is milk of definitely poor keeping quality. A table of samples is given below. Any remedial action is taken by the Essex War Agricultural Committee.

During the year 445 samples of milk have been taken, with the undermentioned results:—

No. of Samples	Resazurin Disc No.	
118	6	Category A
21	5½	
100	5	
87	4½	
41	4	
11	3½	Category B
21	3	
3	2½	
14	2	
1	1½	
0	1	
3	0½	Category C
25	0	

6. *Legal Proceedings.*

Two prosecutions were undertaken in respect of Contraventions of Article 21 of the Milk and Dairies Order, 1926, in connection with dirty milk bottles. A fine of 30/- was imposed in each case.

7. Water Samples.

The number of samples taken from the South Essex Waterworks Company's mains was 12; all were satisfactory. Temporary Hardness 14·5. Permanent Hardness 9 parts per 100,000.

Three samples were also taken from wells within the district, two of which were satisfactory. As a mains supply is within reach of the premises from which the unsatisfactory sample was taken, the matter is being pursued with a view to connecting to the Water Company's mains.

Public Swimming Bath.

Five water samples were taken during the season May to September, all were satisfactory.

Meat Inspection.

Carcases Inspected and Condemned.

	Cattle excluding Cows	Cows	Calves	Sheep & Lambs	Pigs	Goats
Number killed	516	314	49	1513	186	1
Number inspected	516	314	49	1513	186	1
All diseases, except Tuberculosis whole carcases condemned ...	1	8	1	4	—	—
Carcases of which some part or organ was condemned ...	75	54	—	33	—	—
Percentage of the number inspected affected with disease, other than Tuberculosis	14·7	19·7	2·0	2·4	—	—
Tuberculosis only, whole carcases condemned ...	—	2	—	—	—	—
Carcases of which some part or organ was condemned ...	52	131	—	—	13	—
Percentage of the number inspected affected with Tuberlosis	10·0	42·3	6·1	—	7·4	—

Unsound Meat Surrendered.

Approximately 12,811 lbs. of meat was confiscated, comprising 11 beasts' carcases, 4 sheep's carcases, and sundry other parts, viscera, etc.

Slaughterhouses.

There are no registered slaughterhouses in the area, but there are 16 licenced slaughterhouses. No regular slaughtering now occurs, the Government Slaughterhouse being closed down from May onward.

Knackers Yards.

There is one Knackers Yard in operation in the district, whilst an application for a further Knackers Yard Licence was refused by the Council, but its decision was reversed by the Local Court of Summary Jurisdiction. As consent under the Town and Country Planning Interim Development Act is involved the matter is *sub judice.*

Miscellaneous Other Foods Surrendered.

Meat	1156 tins
Milk	1558 tins
Carrots	43 tins
Eggs	242
Soup	82 tins
Beans	211 tins
Fish	424 tins
Cheese	53¼ lbs.
Fish and Meat Paste... ...	12 jars
Pickles	53 jars
Sauce	3 bottles
Fruit	314 tins
Prunes	4 lbs.
Sugar Confectionery ...	9½ lbs.
Beef	313 lbs.
Peas	96 tins
Prepared Meals	45 tins
Tomatoes	10 tins
Tea	9¼ lbs.
Fish	1213¼ lbs.
Fish Cake Roll	7 tins
Flour	258 lbs.
Jam	21 tins
Jam	5 jars
Paste	7 tins
Spinach	1 tin
Bacon	80 lbs.
Liver	12 lbs.
Sweetbread	14½ lbs.
Master Mix	2 tins
Margarine	14 lbs.
Dried Egg	2 tins
Butter	6½ lbs.
Vegetables	3 tins
Brawn	10½ lbs.
Oatmeal	156 lbs.
Rabbits	9 lbs.
Cocoa	14 lbs.
Sultanas	25 lbs.
One Sheep's Carcase (imported)...	25 lbs.
Barley	19 lbs.

Slaughter of Animals Act, 1933.

A register of all licensed slaughtermen, pursuant to Section 3 (1) of the above mentioned Act is kept and the number so licensed is 17.

CLOSET ACCOMMODATION.

Number of cesspools now existing in the district	562
Number of pail closets and privies	683

VERMINOUS PREMISES.

Number of houses found to be infested ...	15

(This does not include houses on the Council's estates which are supervised by the Council's Housing Department as a matter of routine).

Methods employed for freeing infested houses from bed-bugs:

The taking down of all detachable woodwork, firing with a blow-lamp and spraying with a proprietary insecticide.

Methods employed for ensuring the belongings of prospective tenants of Council Houses are free from vermin :—

The belongings of prospective Council House tenants are inspected by the members of the Public Health staff and the circumstances disclosed reported upon to the Housing Department. If vermin are found to be present, the tenant is not accepted until conditions have been remedied. The tenant is usually loaned the requisite plant and vermicide by the Public Health Department.

The disinfestation of private houses is carried out by the owners or occupiers under the supervision of the Local Authority, whilst disinfestation of Council houses is undertaken by the Housing Department of the Local Authority.

SECTION D.

HOUSING.

1. INSPECTION OF DWELLING HOUSES.

(1) (*a*) Total number of dwelling-houses inspected for defects (under Public Health and Housing Acts)...	361
(*b*) Number of inspections made for that purpose ...	1969
(2) (*a*) Number of dwelling-houses (included under sub-head (1) above) which were inspected and recorded under Housing Consolidation Regulations, 1925 ...	Nil
(*b*) Number of inspections made for that purpose ...	Nil

(3) Number of dwelling-houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation 1

(4) Number of dwelling-houses (exclusive of those referred to under the previous sub-head) found not to be in all respects fit for human habitation 306

2. Remedy of Defects during the Year without Service of Formal Notices.

Number of defective dwelling-houses rendered fit in consequence of informal action by the Local Authority or their officers 230

3. Action under Statutory Powers.

(A) *Proceedings under Section 9, 10 and 16 of the Housing Act, 1936:—*

(1) Number of dwelling-houses in respect of which notices were served requiring repairs... ... 2

(2) Number of dwelling-houses which were rendered fit after service of formal notices:—

(*a*) By Owners 1

(*b*) By Local Authority in default of Owners ... Nil

(3) Number of dwelling-houses in respect of which notices were served under the Council's Housing Byelaws ... ... Nil

(4) Number of dwelling-houses rendered fit as a result thereof ... ... Nil

(B) *Proceedings under Public Health Acts.*

(1) Number of dwelling-houses in respect of which notices were served requiring defects to be remedied 28

(2) Number of dwelling-houses in which defects were remedied after service of formal notices:—

(*a*) By Owners 14

(*b*) By Local Authority in default of Owners ... Nil

(C) *Proceedings under Sections 11 and 13 of the Housing Act, 1936.*

(1) Number of houses in respect of which Demolition Orders were made	8
(2) Number of dwelling-houses demolished in pursuance of Demolition Orders	Nil
(3) Number of dwelling-houses in respect of which undertakings not to re-let have been accepted ...	Nil
(4) Number of houses in respect of which undertakings to render fit were accepted	Nil

(D) *Proceedings under Section 12 of the Housing Act, 1936.*

(1) Number of separate tenements or underground rooms in respect of which Closing Orders were made	Nil
(2) Number of separate tenements or underground rooms in respect of which Closing Orders were determined, the tenement or room having been rendered fit	Nil

1. FACTORIES AND WORKPLACES.

Inspections made by Sanitary Inspector.

Premises	Number of		
	Inspections	Written Notices	Occupiers Prosecuted
1	2	3	4
Factories with Mechanical power	44	2	—
Factories without ,, ,,	Nil	Nil	—
Other Premises under the Act (including works of building and engineering construction but not including outworkers premises)	Nil	Nil	—
	44	2	—

2. DEFECTS FOUND in Factories and Workplaces.

Particulars	Number of Defects			Number of Offences of which Prosecutions were instituted
	Found	Remedied	Referred to H.M. Inspector	
	2	3	4	5
Want of cleanliness (S. 1) ...	—	—	—	—
Overcrowding (S. 2) ...	—	—	—	—
Unreasonable temperature (S. 3)	—	—	—	—
Inadequate ventilation (S. 4) ...	—	—	—	—
Ineffective drainage of floors (S.6)	—	—	—	—
Sanitary Conveniences (S. 7) :—				
Insufficient ...	1	1	—	—
Unsuitable or defective	1	1	—	—
Not separate for sexes	—	—	—	—
Other offences ... ... (Not including offences relating to Home Work or offences under the Sections mentioned in the Schedule to the Ministry of Health (Factories and Workshops transfer of Powers) Order, 1921, re-enacted in the Third Schedule of the Factorties Act, 1937)	—	—	—	—
Total ...	2	2	—	—

List of Works Executed.

Dampness remedied	92
Rooms:	
Stripped, cleansed and redecorated	55
Plaster repaired	111
Floors repaired	20
Windows repaired, renewed or extended ...	63
Stoves repaired or renewed	17
Doors, locks, &c.	17
Vermin disinfested	8
Ventilated food stores and repairs	2
Staircases:	
Stripped or redecorated	1
Handrails fixed	4
Lighting provided	1
Repairs	2
Sanitary Fitments:	
New sinks, &c.	Nil
Coppers provided or repaired	8
Pail and earth closets abolished	Nil
W.C.'s provided or substituted	2
W.C.'s repaired or renewed	14
New pedestals	4
Waste-water pipes repaired or renewed... ...	14
Soil or vent pipes repaired or renewed	4
New cesspools	1
Drains:	
Unstopped or repaired	49
New drains	5
Gullies repaired or renewed	5
Inspection Chambers repaired or provided ...	6
Water Supplies and Fittings:	
Wells abolished	Nil
New services	1
Repaired or renewed	11

External Works:

Roofs repaired or renewed	99
Gutters and rainwater pipes repaired or renewed ...	20
Walls repaired or renewed	9
Yards repaired or paved	3
Dustbins provided	15
Accumulations removed	9
Miscellaneous	31

Housing Act, 1936—Overcrowding.

During the year 35 visits were made from which it was ascertained that 11 cases of overcrowding occurred. These were referred to the Housing Department for Council Houses when available.

FOOD AND DRUGS REPORT.

Article	Formal Samples	Genuine	Not Genuine
Sausage & sausage meat	13	13	...
Sauce & pickles	4	4	...
Jam	2	2	...
Dessert powder	1	1	...
Egg substitute powder	2	2	...
Macaroni	1	1	...
Gravy powder	1	1	...
Condensed milk	1	1	...
Sterilized milk	1	1	...
New milk	95 (1 informal)	85 (9 broken in transit)	2
Mixed spice	2	2	...
Custard powder	1	1	...
Beans in gravy	1	1	...
Oatmeal	2	2	...
Milk pudding mixture	1	1	...
Cod liver oil	1	1	...
Semolina pudding	2	2	...
Guinness's Stout	1	1	...
Aspirin tablets	2	2	...
Tea	2	2	...
Baking powder	3	3	...
Sage	1	1	...
Wine essence	2	2	...
Lard	5	5	...
Salad dressing powder	1	1	...
Margarine	4	4	...
Sugar confectionery	1	1	...
Ground ginger	2	2	...
Soup powder	1	1	...
Ginger pudding flour	1	1	...
Pea flour	1	1	...
Minced beef	1	1	...
Tinned soup	1	1	...
Yeast	1	1	...
Luncheon sausage	1	1	...
Curry powder	1	1	...
Dessert mould	1	1	...
Soya flour	1	1	...
Oats	2	2	...
Coffee	2	2	...
Friquix	1	1	...
Pickling spice	1	1	...

Article	Formal Samples	Genuine	Not Genuine
Fish paste	1	1	...
Milk of Magnesia	2	2	...
Cake Flour	3	3	...
Continental mustard	1	1	...
Dried milk	1	1	...
Self raising flour	1	1	...
Butter	1	1	...
Cocoa	1	1	...
Black pudding	1	1	...
Lemonade powder	1	1	...
Blancmange powder	1	1	...
Black pepper	1	1	...
Fish dressing	1	1	...
Steam pudding powder	1	1	...
Boracic acid	1	1	...
Iodised throat tablets	1	1	...
Castor oil	1	1	...
Ground nutmeg	1	1	...
Meat paste	1	1	...
Cheese	1	1	...
Barley kernels	1	1	...
Malted chocolate food	1	1	...
Wood vinegar	1	1	...
Meat pie	1	1	...
Dried apple rings	1	1	...
Orange drink	1	1	...
Beef cubes	1	1	...
Brawn	1	1	...

Action Taken.

There were two instances in which milk was declared to be deficient in fat. Both cases were reported to the Council and in view of the circumstances it was decided that the situation would be met by the sending in each case of a warning letter.

RATS AND MICE DESTRUCTION ACT, 1919.
THE INFESTATION ORDER, 1943.

The purpose of the above-mentioned Order was the organisation of a co-ordinated drive by contiguous Local Authorities for the destruction of rats and mice in their areas. Rat destruction courses were attended by the Council's Inspectors and a Rat Catcher appointed for the purpose of the Order. Upon direction by the Ministry of Food the provisions of the above-mentioned Order were put into operation.

REPORT OF THE SHOPS INSPECTOR.

Legislation in Force.

The following Acts and Orders are in operation within the Thurrock Urban District.

The Shops Act, 1912.

The Shops Act, 1913.

The Shops (Hours of Closing) Act, 1928.

The Shops Act, 1934.

The Shops Act, 1936 (Libraries).

The Retail Meat Dealers Shops (Sunday Closing) Act, 1936.

The Shops (Sunday Trading Restrictions) Act, 1936.

Closing and Half-Holiday Orders.

1. The Grays Thurrock Weekly Half-Holiday (No. 1) Order, 1913.
2. The Grays Thurrock Weekly Half-Holiday (No. 2) Order, 1913.
3. The Grays Thurrock Extension of Weekly Half-Holiday (No. 1) Order, 1913.
4. The Stanford-le-Hope Weekly Half-Holiday Order, 1913.
5. The Stanford-le-Hope Extension of Weekly Half-Holiday (No. 1) Order, 1913.
6. The County of Essex (Shops Exemption) (No. 5) Order, 1913.
7. The County of Essex (Shops Exemption) (No. 7) Order, 1914.
8. The County of Essex (Shops Exemption) (No. 8) Order, 1914.
9. The South Ockendon Weekly Half-Holiday (No. 2) Order, 1914.
10. The South Ockendon Weekly Half-Holiday Order, 1914.
11. The County of Essex (Shops Exemption) (No. 7) Order, 1914.
12. The Grays Thurrock Weekly Half-Holiday (No. 1) Order, 1915.
13. The Tilbury Weekly Half-Holiday (No. 1) Order, 1917.
14. The Tilbury Hairdressers Closing Order, 1917.

15. The Grays Thurrock Closing Order, 1917.
16. The Grays Thurrock Closing Order, 1922.
17. The West Thurrock Tobacconists (Hours of Closing) Order, 1929.
18. The Lambourne and Stifford Tobacconists (Hours of Closing Order), 1929.
19. The Little Thurrock Tobacconists (Hours of Closing Order, 1930.
20. The Thurrock Urban District Shops (Sunday Trading Restrictions) Act, 1936, Order No. 1.

No action was taken during the year.

WARTIME DUTIES.

From a perusal of my report it will be seen that the work of the department has shown a decrease in comparison with pre-war standards. It will be appreciated that one of the Inspectors and the whole of the permanent clerical staff are in H.M. Forces, the latter being replaced with temporary staff, whilst the remaining inspectorial staff undertake the following additional duties:—

Chief Sanitary Inspector.—Evacuation Officer, Food Decontamination Officer.

Deputy Chief Sanitary Inspector.—Officer in charge of Emergency Mortuary Services, Duties in connection with decontamination of foodstuffs.

District Inspector.—Officer in charge of decontamination of clothing.

Each of the Inspectors is deputy to another in respect of one or the other of the above duties.

L. Culliss.

Section F.

PREVALENCE OF, AND CONTROL OVER, INFECTIOUS AND OTHER DISEASES.

NOTIFIABLE DISEASES.

DISEASES	Notified	Hospital	Deaths
Scarlet Fever ...	212	144	1
Diphtheria ...	23 (2) 1*	23 (2) 1*	—
Enteric Fever (including Paratyphoid) ...	3 (1)	3 (1)	—
Puerperal Pyrexia ...	5	4	—
Pneumonia ...	74 2*	24 2*	58
Poliomyelitis ...	2 (1)	1 (1)	—
Malaria	1	1	—
Dysentery	14 (1)	7	—
Erysipelas	27 3*	20 3*	—
Cerebro-spinal Fever ...	14 (8) 1*	14 (8) 1*	1
Ophthalmia Neonatorum	1	1	—
Pemphigus Neonatorum	1	1	—
Whooping Cough ...	60	4	—
Measles	266 2*	6 2*	1

NOTES:—Figures marked ( ) indicate diagnosis not confirmed.
,, ,, * ,, Service patients.

AGE GROUPS, 1943.

Disease	Under 1 year	1-2 yrs.	2-3 yrs.	3-4 yrs.	4-5 yrs.	5-10 yrs.	10-15 yrs.	15-20 yrs.	20-35 yrs.	35-45 yrs.	45-65 yrs.	65 yrs. up.	Total
Scarlet Fever	1	1	10	28	16	115	24	2	8	6	1	...	212
Diphtheria	1	1	5	2(1)	1	5	2	2	3(1)	...	1	...	23(2)
Enteric Fever (inc. Paratyphoid)	...	...	...	...	...	...	...	...	...	2(1)	1	...	3(1)
Puerperal Pyrexia ...	...	...	...	...	...	...	...	...	3	2	...	...	5
Pneumonia	3	2	3	2	5	9	2	4	13	9	16	6	74
Poliomyelitis	...	...	...	(1)	...	...	...	1	...	...	...	...	2(1)
Malaria	...	...	...	...	...	...	...	...	...	1	...	...	1
Dysentery	2	2(1)	...	...	...	1	2	2	3	1	1	...	14(1)
Erysipelas	1	...	...	...	...	1	1	2	6	4	9	3	27
Cerebro-spinal Fever ...	...	...	...	(1)	2(1)	(1)	2(1)	1	3(2)	3(2)	1	...	14(8)
Ophthalmia Neonatorum ...	1	...	...	...	...	...	...	...	...	...	...	...	1
Pemphigus Neonatorum ...	1	...	...	...	...	...	...	...	...	...	...	...	1
Whooping Cough	10	9	8	9	7	17	...	...	...	...	...	...	60
Measles	15	22	42	29	35	101	13	5	2	1	1	...	266

Notes: Figures marked ( ) indicate diagnosis not confirmed.

Diphtheria Immunisation Clinics:

Sessions held 48

	Under 5 years	Over 5 years
Number of children who completed the full course of immunisation between 1st Jan. and 31st Dec., 1943	707	903

Supplies of A.P.T. are obtained from the Ministry of Health's laboratory, St. Margaret's Hospital, Epping, while a quantity of T.A.F is purchased for treatment of the older children.

No use has been made of measles serum for prophylaxis or attenuation.

Public Health (Prevention of Tuberculosis) Regulations, 1925.

Public Health Act, 1936, Section 172.

No action was taken under the above headings.

TUBERCULOSIS.

New Cases and Mortality.

Age periods	New Cases				Deaths			
	Respiratory		Non-Resp'ry		Respiratory		Non-Resp'ry	
	M.	F.	M.	F.	M.	F.	M.	F.
Under 1	...	...	...	...	...	...	...	...
1- 5 years	1	1	2	4	...	1	1	...
5-15 ,,	2	2	9	8	...	1	1	...
15-25 ,,	8	8	3	3	5	2	1	1
25-35 ,,	3	3	...	1	4	4	...	...
35-45 ,,	5	4	...	...	...	1	...	...
45-55 ,,	2	4	...	...	2	...	...	...
55-65 ,,	1	1	...	...	4	...	...	...
65 ,, upwards	2	...	...	...	...	...	...	...
Totals	24	23	14	16	15	9	3	1